

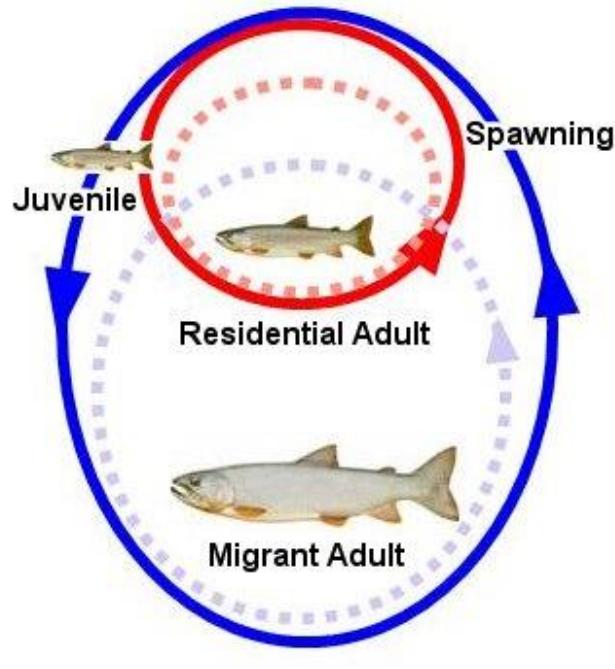
Status and Management of Coastal Cutthroat Trout in Washington State

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Washington Department of Fish and Wildlife



Background



- Resident
- Fluvial
- Adfluvial
- Anadromous

Outline

- Stock Status and Assessment Tools
- Management
- Future Work and Research

Coastal Cutthroat-Salmonid Stock Inventory (SaSI)

Stock Definition Criteria

1) Distinct spawning distribution.

2) Distinct temporal
spawning or run-tim

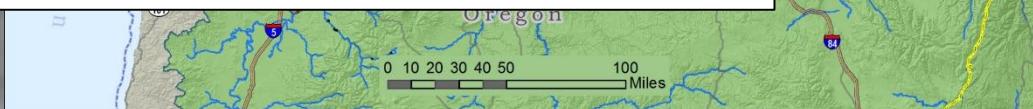
3) Distinct biological
age structure, gene flow
differences, etc.)

4) 47 collections sites
Electrophoresis identified
“stock complexes”



40 Stock Complexes

- 1 is “Healthy”
- 7 are “Depressed”
- 0 are “Critical”
- 32 are “Unknown”



Assessment Tools

Adult Trap Counts



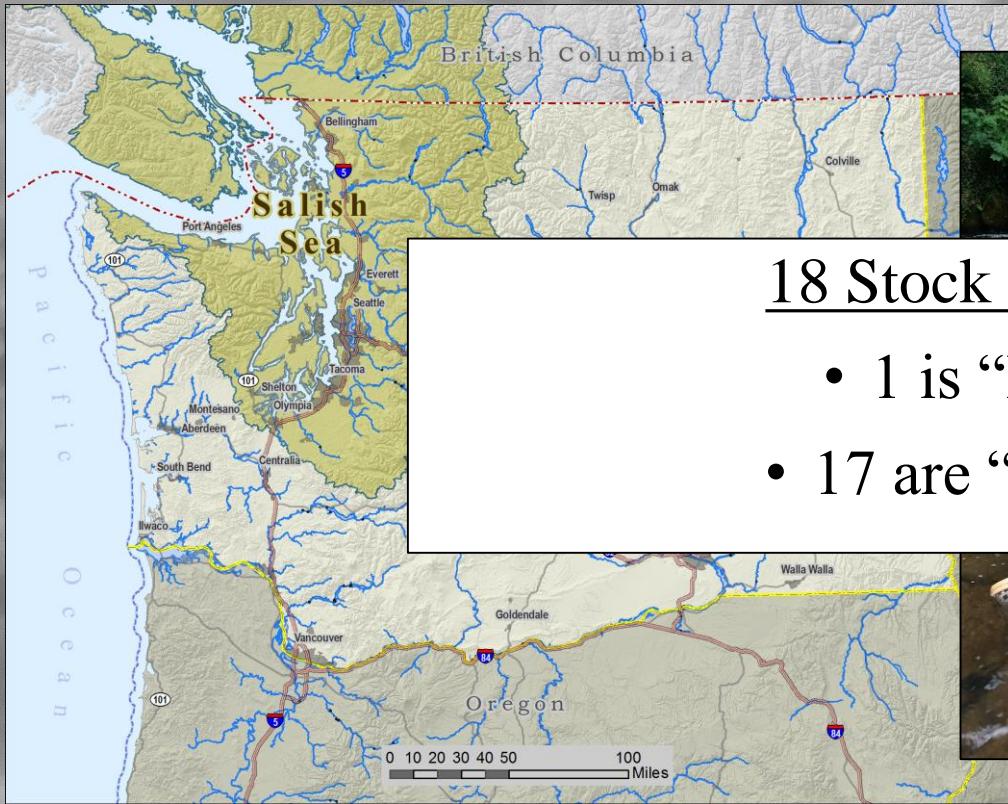
Redd Counts



Juvenile Abundance



Stock Status-Puget Sound

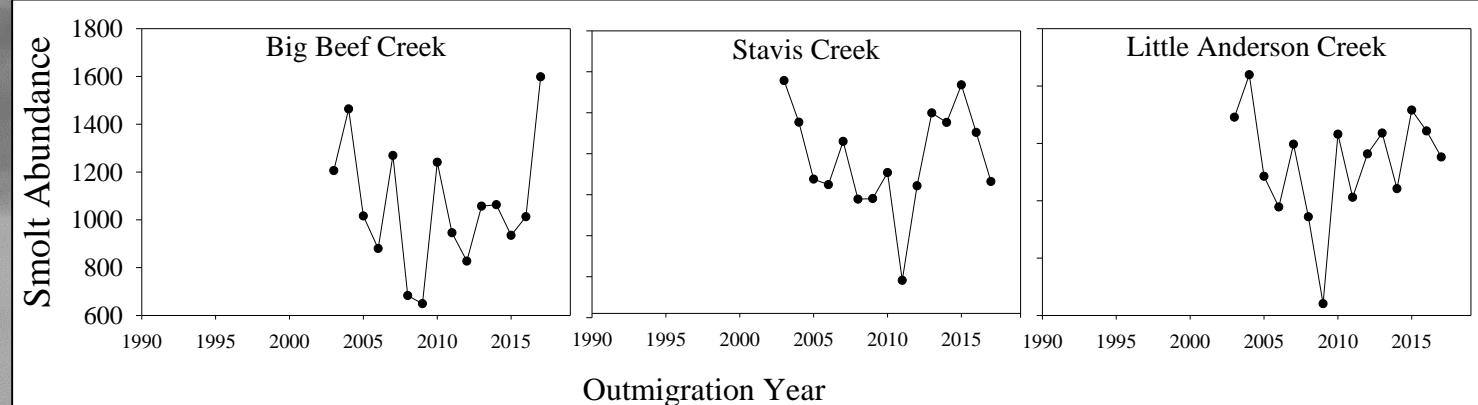
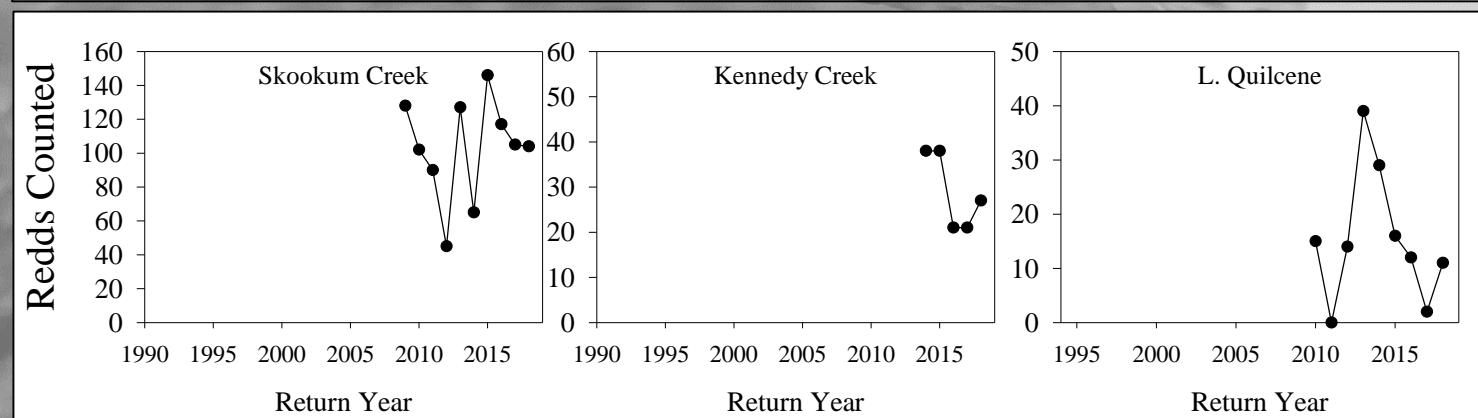
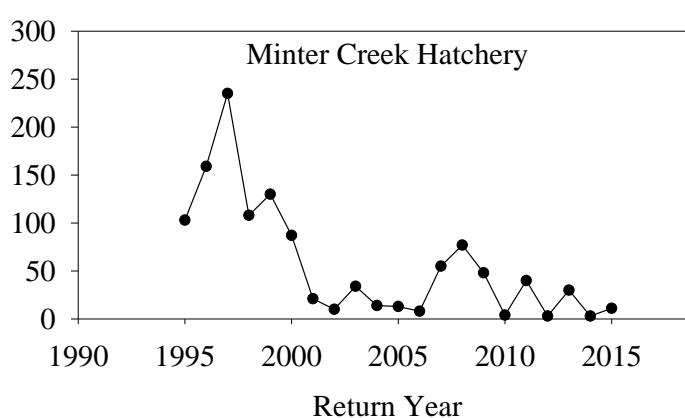
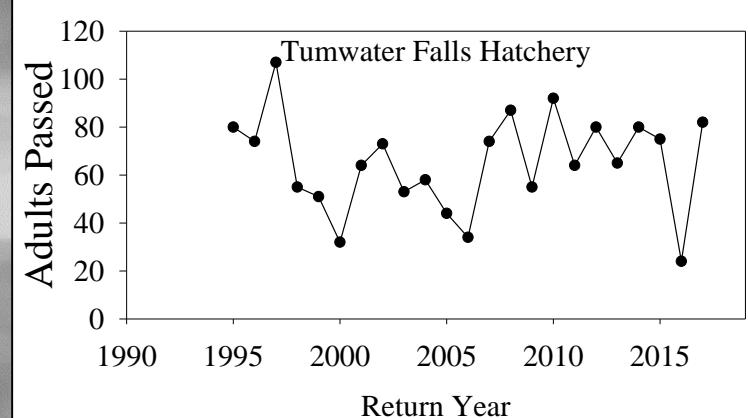


18 Stock Complexes

- 1 is “Healthy”
- 17 are “Unknown”



Stock Assessment-Puget Sound



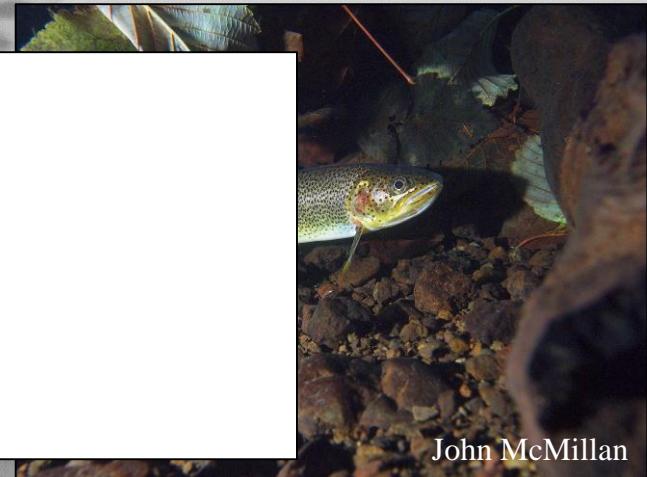
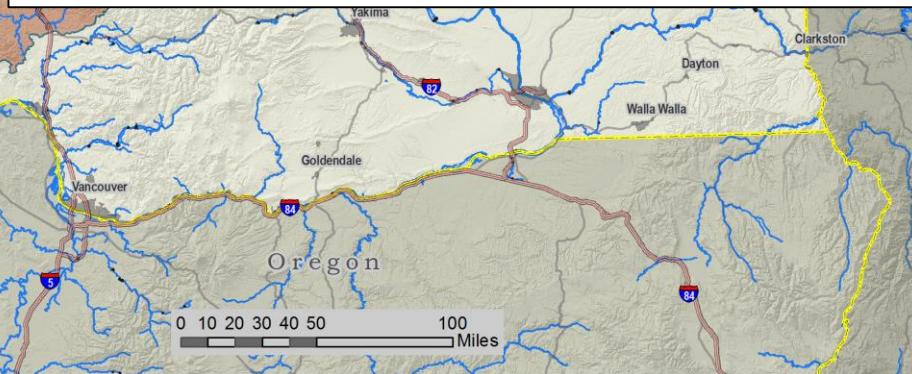
Data Courtesy of: Lee Pilon, Deirdre Bissonnette, Mark Downen, Clayton Kinsel

Stock Status- Washington Coast

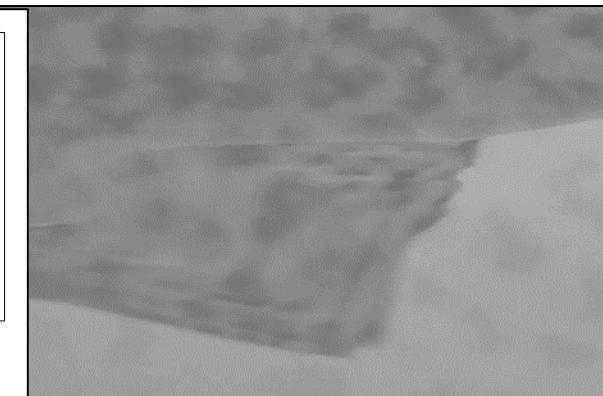
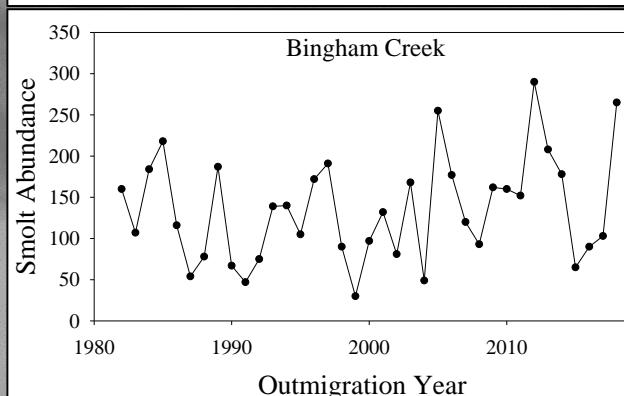
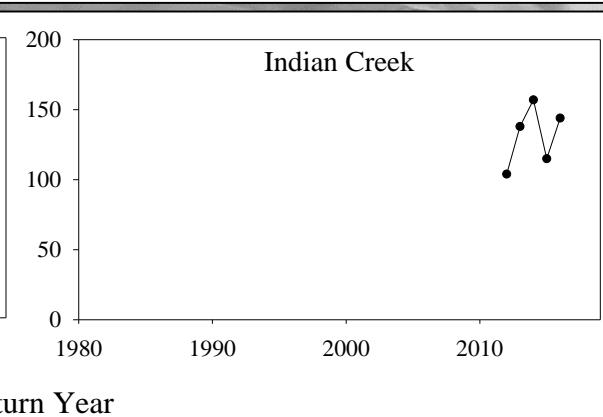
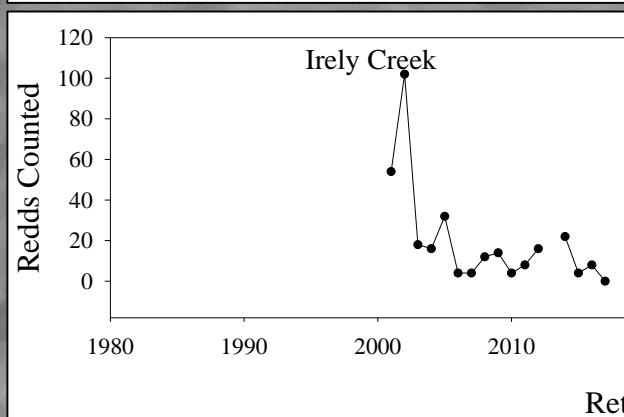
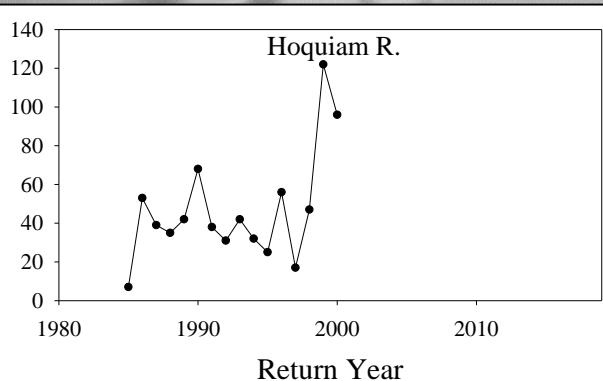
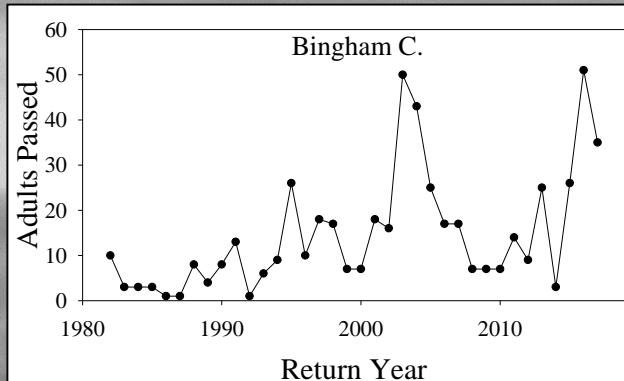


12 Stock Complexes

- 12 are “Unknown”



Stock Assessment-Washington Coast



Data Courtesy of: Devin West, Quinault Indian Tribe, Bob Vadas, John McMcMillan

Stock Status-Columbia R.

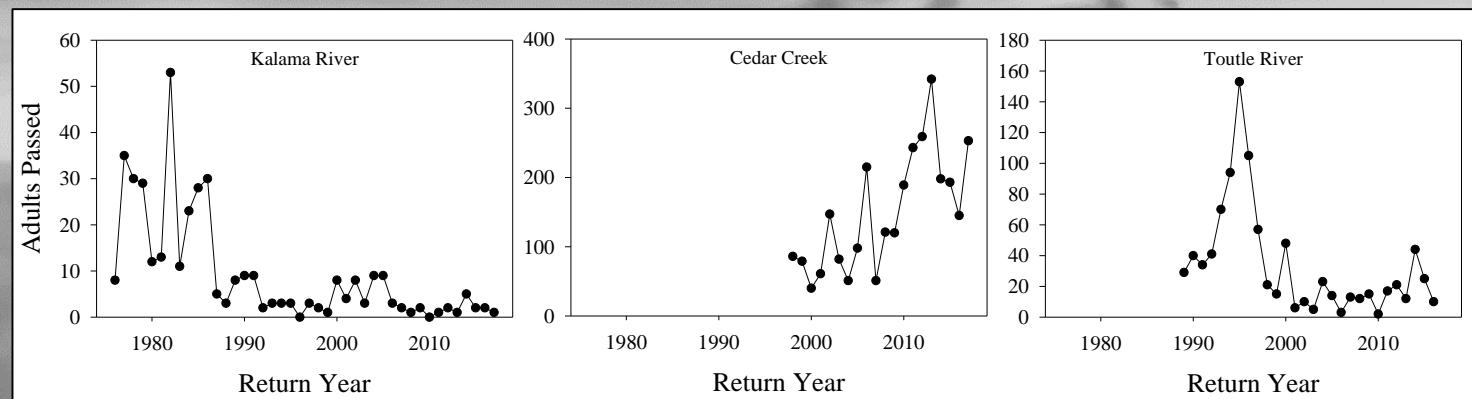


11 Stock Complexes

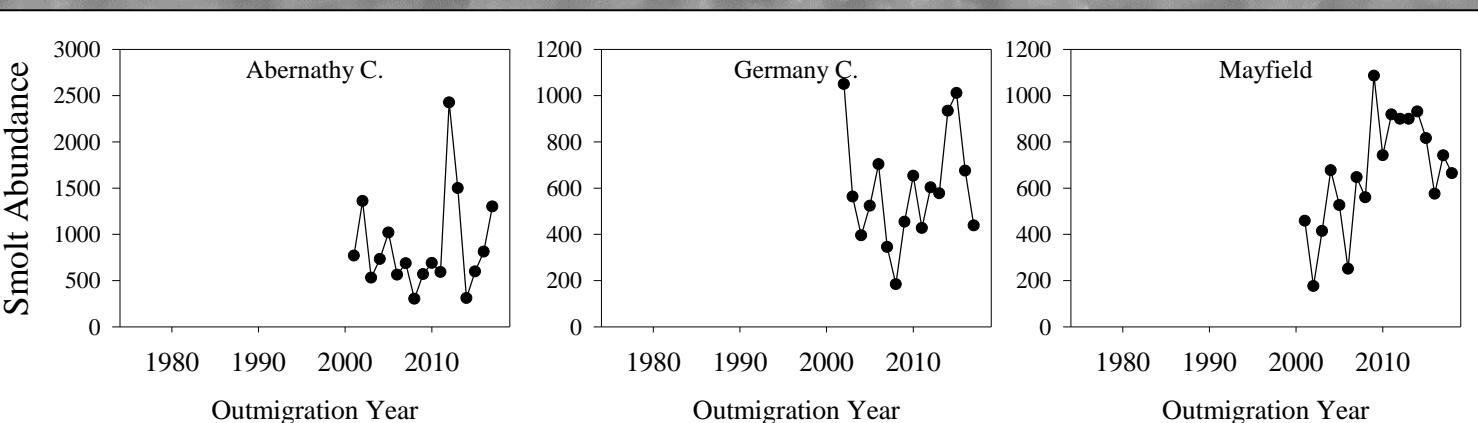
- 7 are “Depressed”
- 4 are “Unknown”



Stock Assessment-Columbia R.



Redd monitoring data not available in Columbia R.



Management in Marine Waters

1955; 15 fish not to exceed 7.5lbs plus 1 fish

1973; 6 lbs plus 1 fish

1980; Two fish over 10”

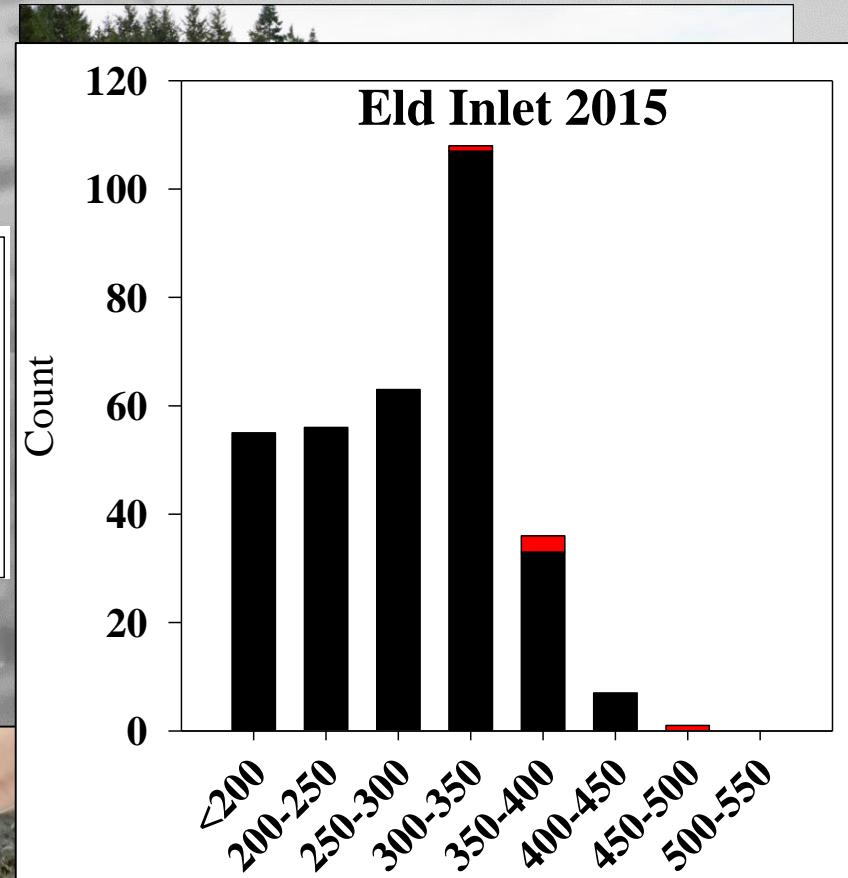
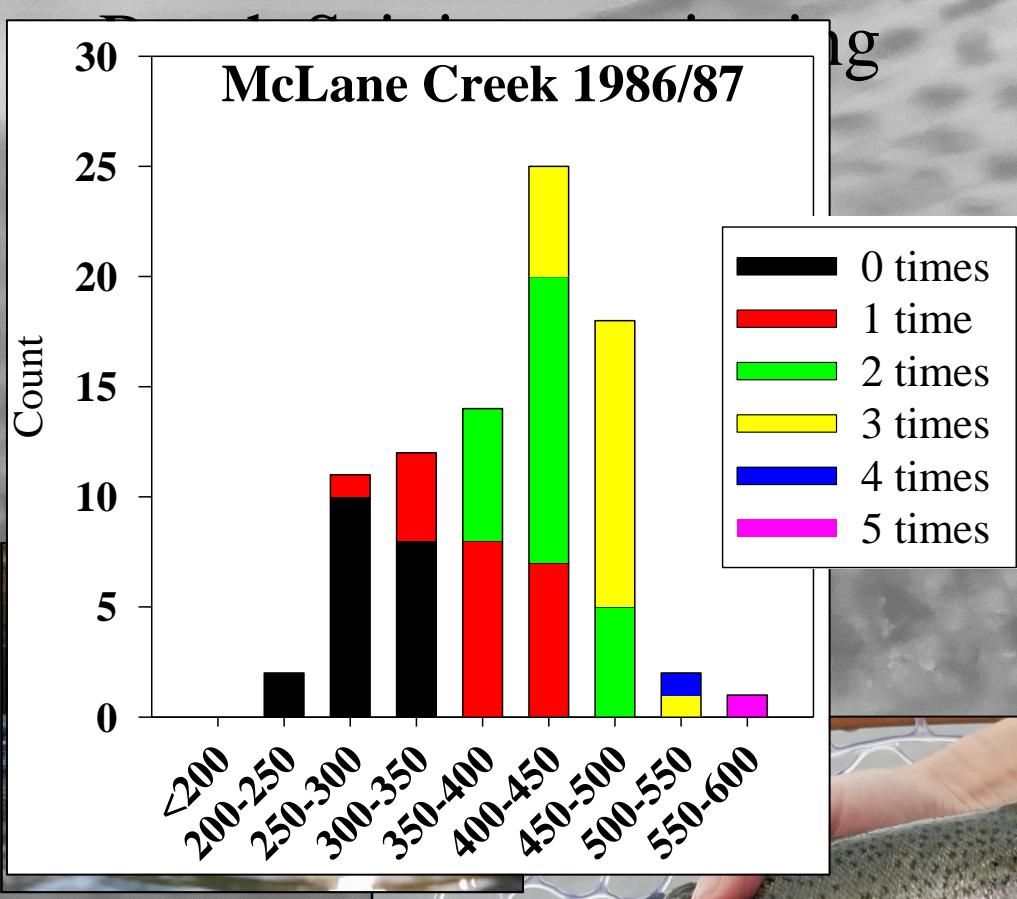
1986; Two fish over 12”

1987; Two fish over 14”

1999; Catch and release- Marine waters



New/ongoing monitoring work



Sea-Run Cutthroat Studies
in South Puget Sound Tributaries
July 1986 to June 1987

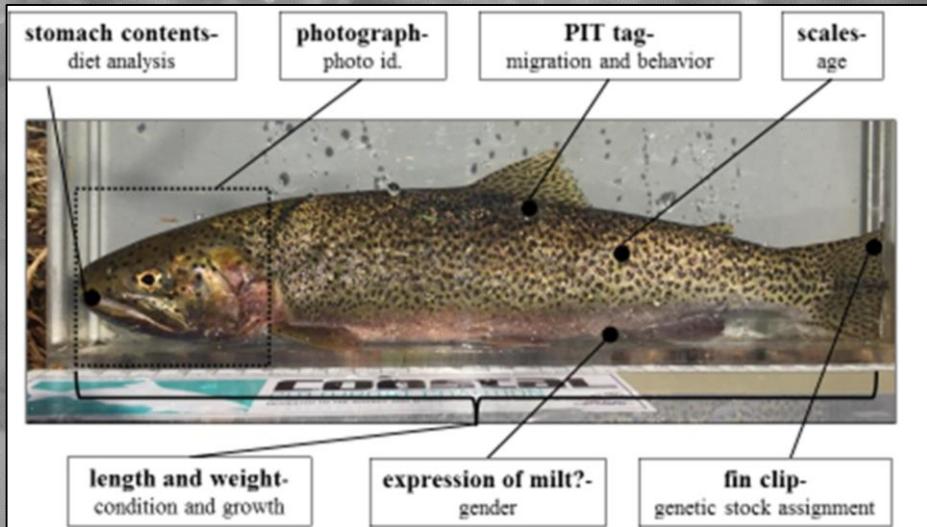
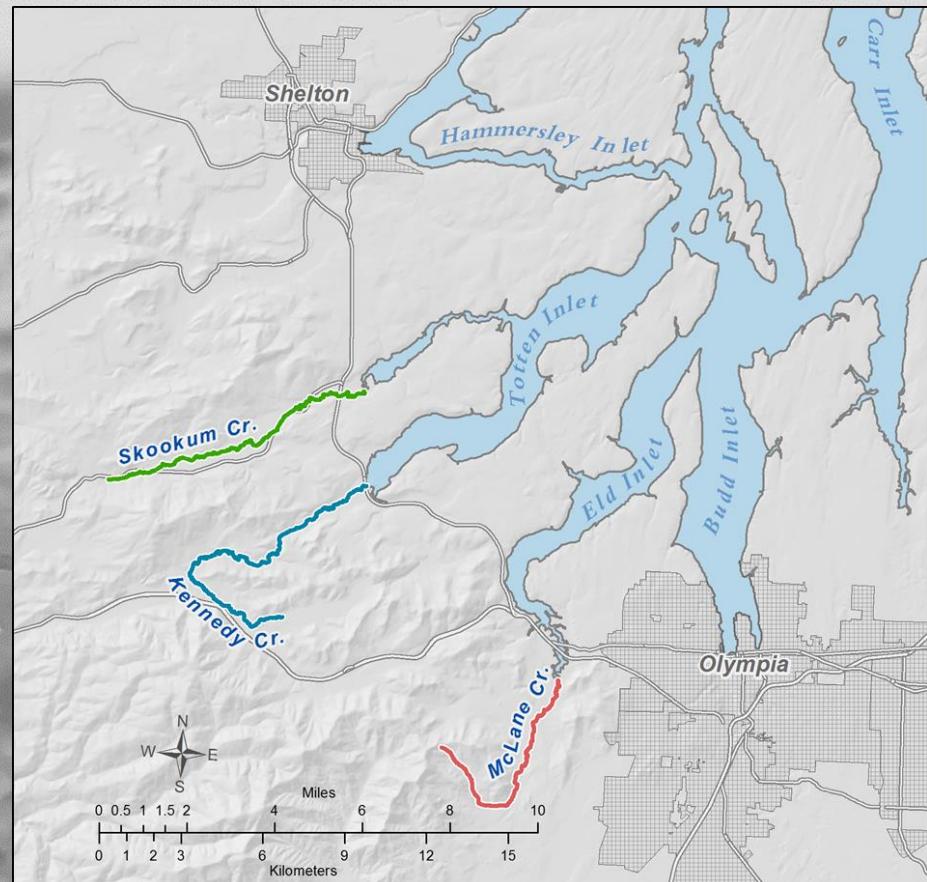
By
Martin Peoples
Mike Cencic
Jay Hunter

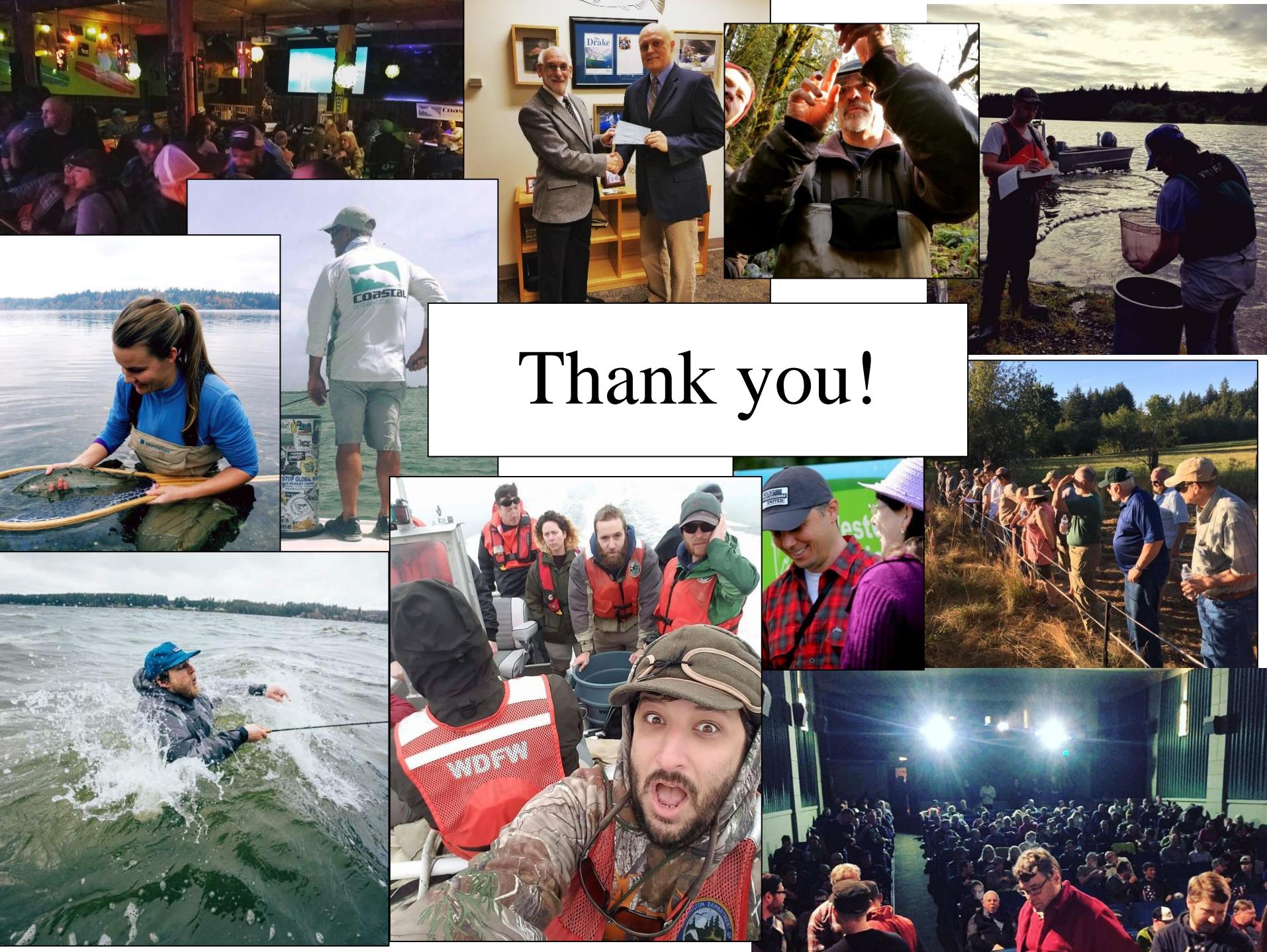
Skookum Creek Spawning Grounds



Current Research

- Spawn timing
- Movement
- Life history diversity
- Abundance
- Collaboration with others studying anadromous trout





Thank you!